

02712 Lean Concrete Base Course**02712** Standard Specifications**Related Items:** 03055 Portland Cement**Type of Construction:** Lean Concrete Base Course**Submittals:****Quality Assurance:** Wear * AASHTO T-96**Assurance Frequency:** Submit a 200 lb sample of aggregate per source, use form T-268.**Point of Acceptance:** Materials Source**Out of Spec Action:** Contractor must select another materials source.**Documentation/Report:****Type of Construction:****Submittals:****Quality Assurance:** Unit Weight * AASHTO T-19**Assurance Frequency:** Submit a 200 lb sample of aggregate per source, use form T-268.**Point of Acceptance:** Materials Source**Out of Spec Action:** Contractor must select another materials source.**Documentation/Report:****Type of Construction:****Submittals:****Quality Assurance:** Liquid Limit & Plasticity Index * AASHTO T-89 and T-90**Assurance Frequency:** Submit a 50 lb sample of aggregate per source, use form T-268.**Point of Acceptance:** Materials Source**Out of Spec Action:** Contractor must select another materials source.**Documentation/Report:**

Related Items: N/A**Type of Construction:****Submittals:****Quality Assurance:** Liquid Limit and Plasticity Index AASHTO T-89 and T-90**Assurance Frequency:** A minimum of one determination per week**Point of Acceptance:** Stockpile**Out of Spec Action:** Reject Material**Documentation/Report:****Type of Construction:****Submittals:****Quality Assurance:** Water Quality AASHTO T-26**Assurance Frequency:** Submit a 1 qt sample for each non-potable source.**Point of Acceptance:** Source**Out of Spec Action:** Use an acceptable source.**Documentation/Report:****Type of Construction:****Submittals:****Quality Assurance:** Mix Design (Trial Batches) Contractor's trial batches to be made in accordance with standard specifications. Trial batch results shall be submitted and approved before any lean concrete is placed. Sufficient batches shall be made to cover any possible changes in mix components that might occur.**Assurance Frequency:** Submit a 1 pt sample of admixtures used in trial batches to Central Lab for fingerprinting. When production starts, send samples of admixtures to Central Lab to insure they are the same as used in trial batches.**Point of Acceptance:** Suppliers Location**Out of Spec Action:** Contractor may have to change his proportions of coarse and fine aggregate, wash or crush the coarse aggregate finer, or add more cement.**Documentation/Report:**

Related Items: N/A

Type of Construction:**Submittals:****Quality Assurance:** Sieve Analysis AASHTO T-27 and T-11**Assurance Frequency:** One gradation per stockpile for each day of operation.**Point of Acceptance:** Stockpile**Out of Spec Action:** Reject Material**Documentation/Report:**

Type of Construction:**Submittals:****Quality Assurance:** Slump Test AASHTO T-119, Air Test AASHTO T-152**Assurance Frequency:** Test the first three truck loads at start up and the first three truck loads after each shutdown of more than one hour. Take additional tests at random throughout the shift (approximately one test for every 800 cu yd of concrete). Test the first three truck loads after each failed test.**Point of Acceptance:** Plant Site**Out of Spec Action:** Another test is taken immediately. If the second test fails, the load is rejected. If the second test is in specification, a third test is taken. The load is then accepted or rejected based on the result of the third test.**Documentation/Report:**

Type of Construction:**Submittals:****Quality Assurance:** Yield AASHTO T-121**Assurance Frequency:** A minimum of one test per day taken in conjunction with an air test.**Point of Acceptance:** Plant Site**Out of Spec Action:** Adjust mix design**Documentation/Report:**

Related Items: N/A**Type of Construction:****Submittals:****Quality Assurance:** Thickness**Assurance Frequency:** A minimum of one core per 1,200 sq yd**Point of Acceptance:** Grade**Out of Spec Action:** Remove and replace with specification material, or appropriate price reduction.**Documentation/Report:****Type of Construction:****Submittals:****Quality Assurance:** Test Report**Assurance Frequency:** Submit form T-258**Point of Acceptance:** N/A**Out of Spec Action:** Adjust mix design or production controls as necessary**Documentation/Report:****Type of Construction:****Submittals:****Quality Assurance:** Mix design check test (compressive strength)**Assurance Frequency:** On first day's production and on one other day during first seven days of production - one set of cylinders or cores to verify mix design and production controls.**Point of Acceptance:** N/A**Out of Spec Action:** N/A**Documentation/Report:**